

09853324-082401

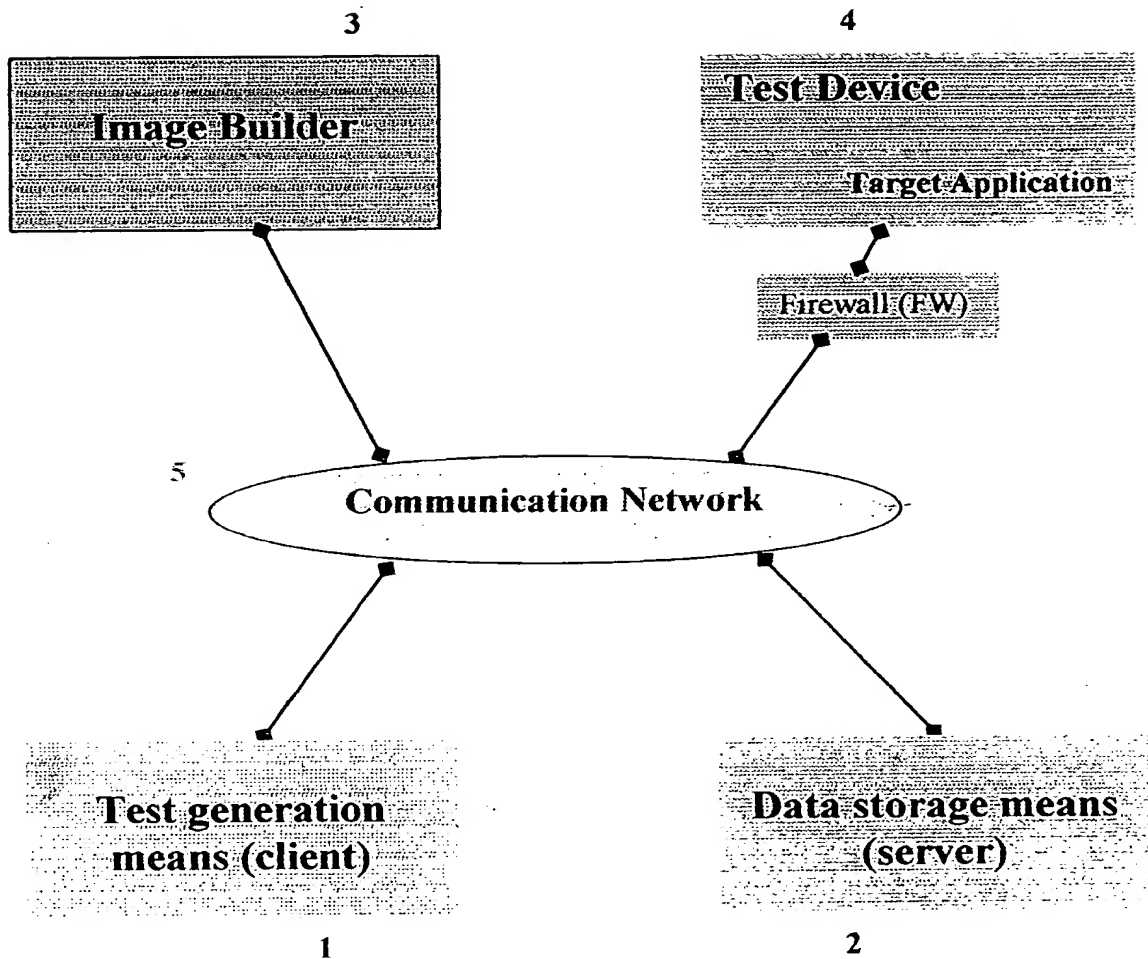


Figure 1

```

graph TD
    TT[Test Technique] --> CM1a[Configuration Module 1a]
    OD[Object detail] --> CM1a
    DD[Datatype detail] --> CM1a
    CM1a --> TDM1b[Test design Module 1b]
    TDM1b --> TS[Test scenario]
    TDM1b --> DS2[Data storage means server 2]
    TS --> TDM1b
    TS --> TDM1c[Test Driver Module 1c]
    TDM1c --> TP[Test Pgm]
    TDM1c --> IBM3[Image builder means 3]
    TP --> IBM3
    subgraph IBM3 [Image builder means 3]
        CL[Compilers, Linkers ...]
    end
    IBM3 --> I1[Image]
    I1 --> TEM1d[Test-execution Module 1d]
    TEM1d --> DS2
    TEM1d --> TD[Test Device]
    DS2 --> TDM1b
    DS2 --> RM1e[Report Module 1e]
    TD --> TEM1d
    TD --> I2[Image]
    RM1e --> P[Pseudocode]
    RM1e --> R[Report]

```

Figure 2

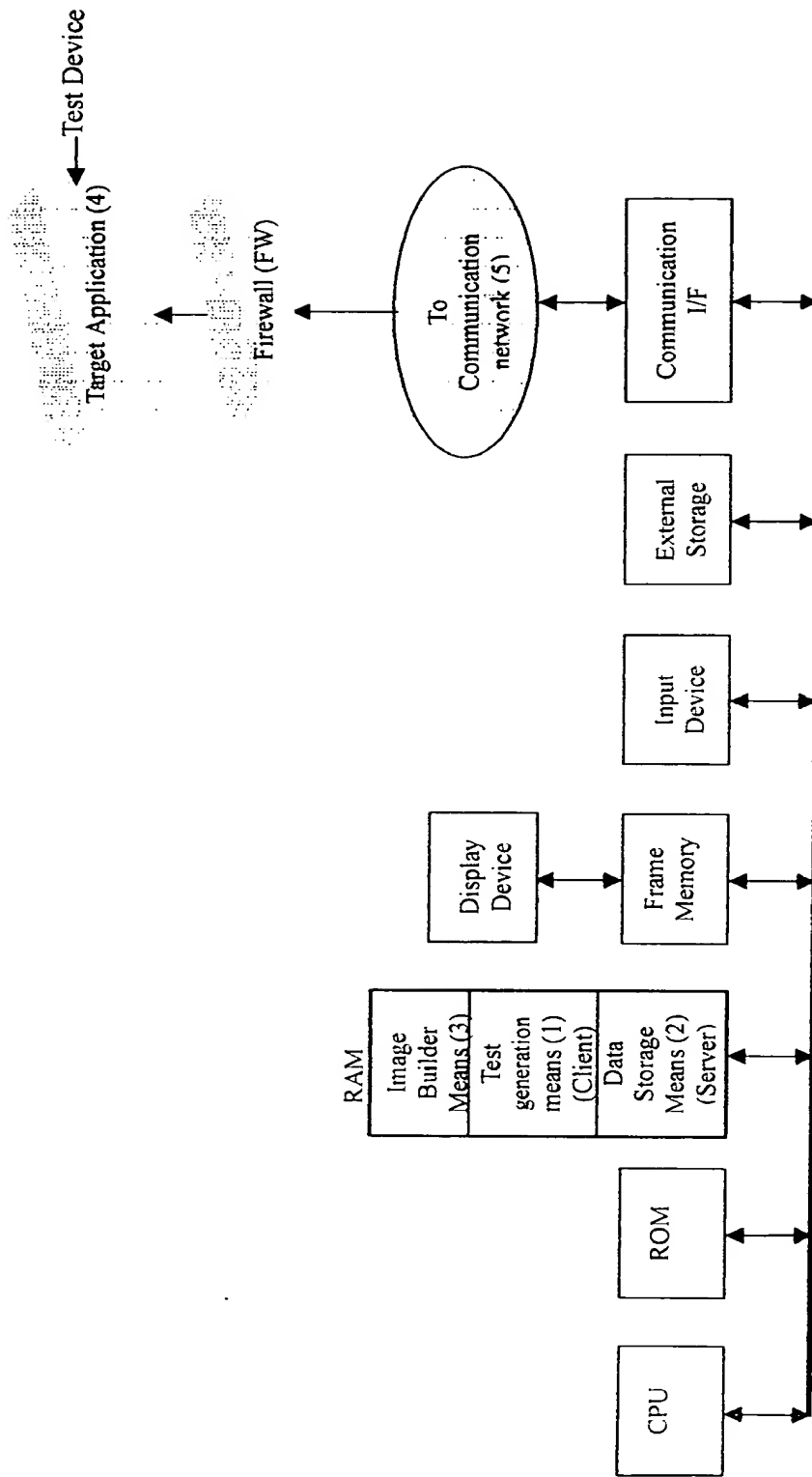


Figure 3

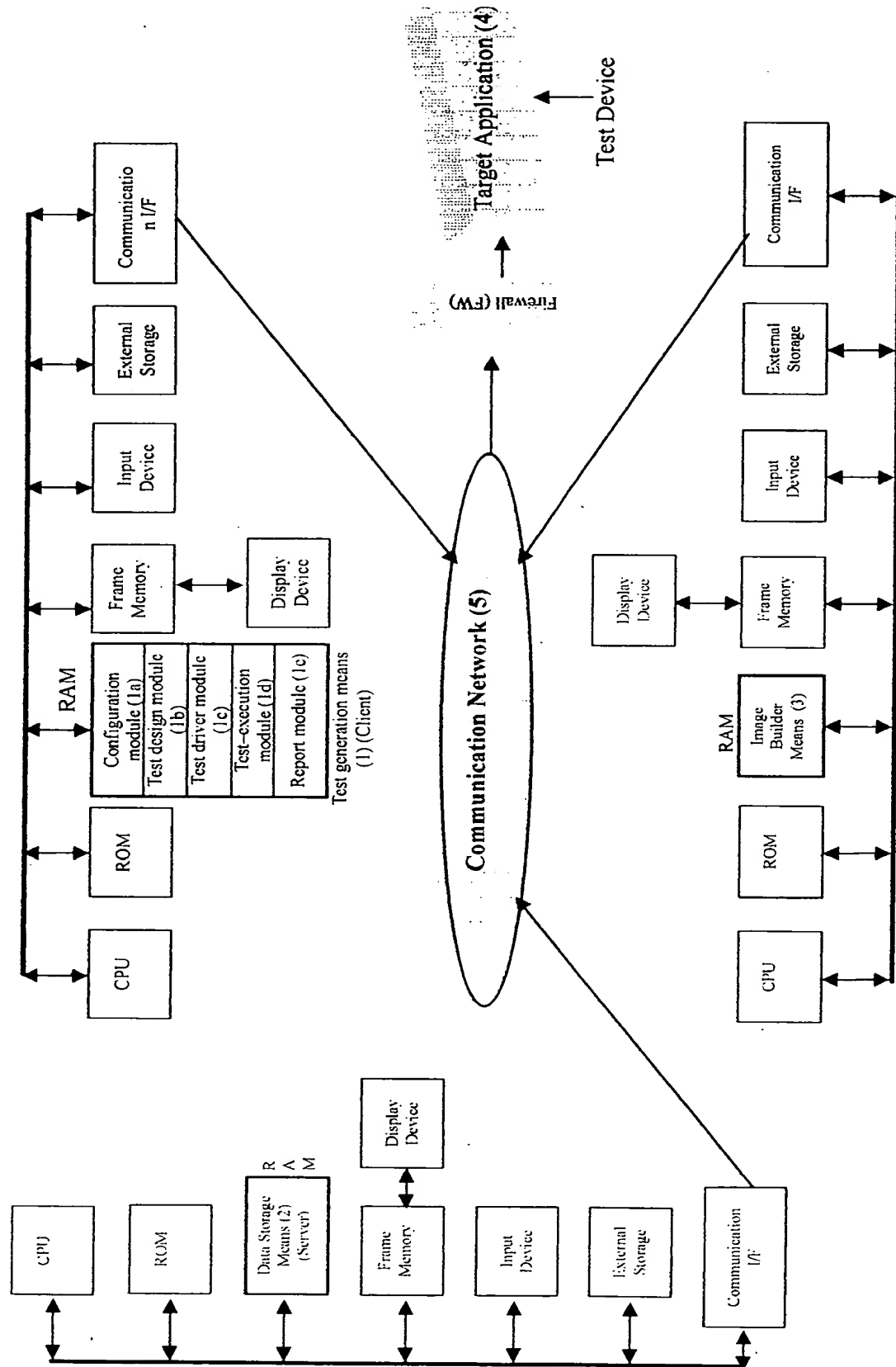


Figure 4

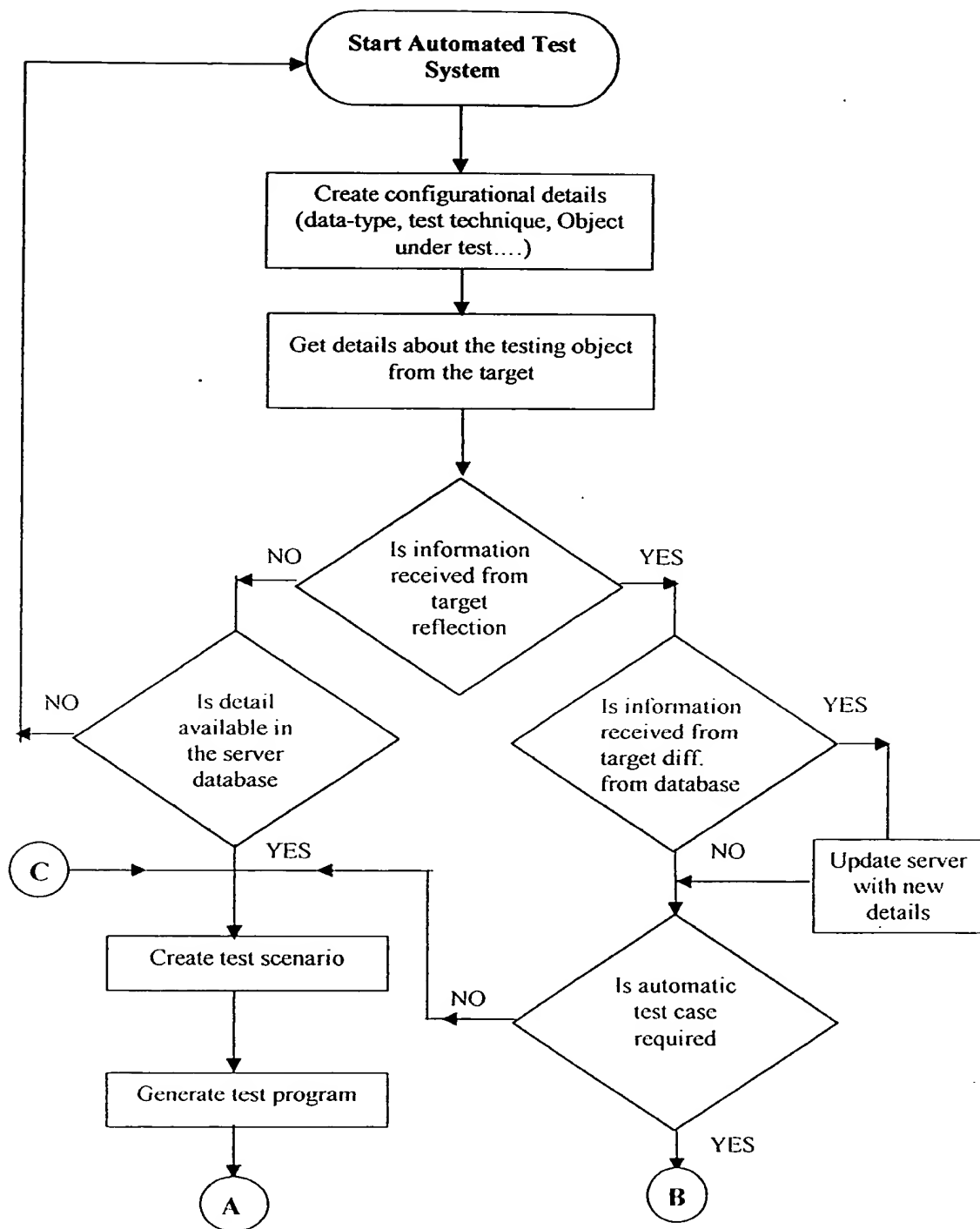


Figure 5a

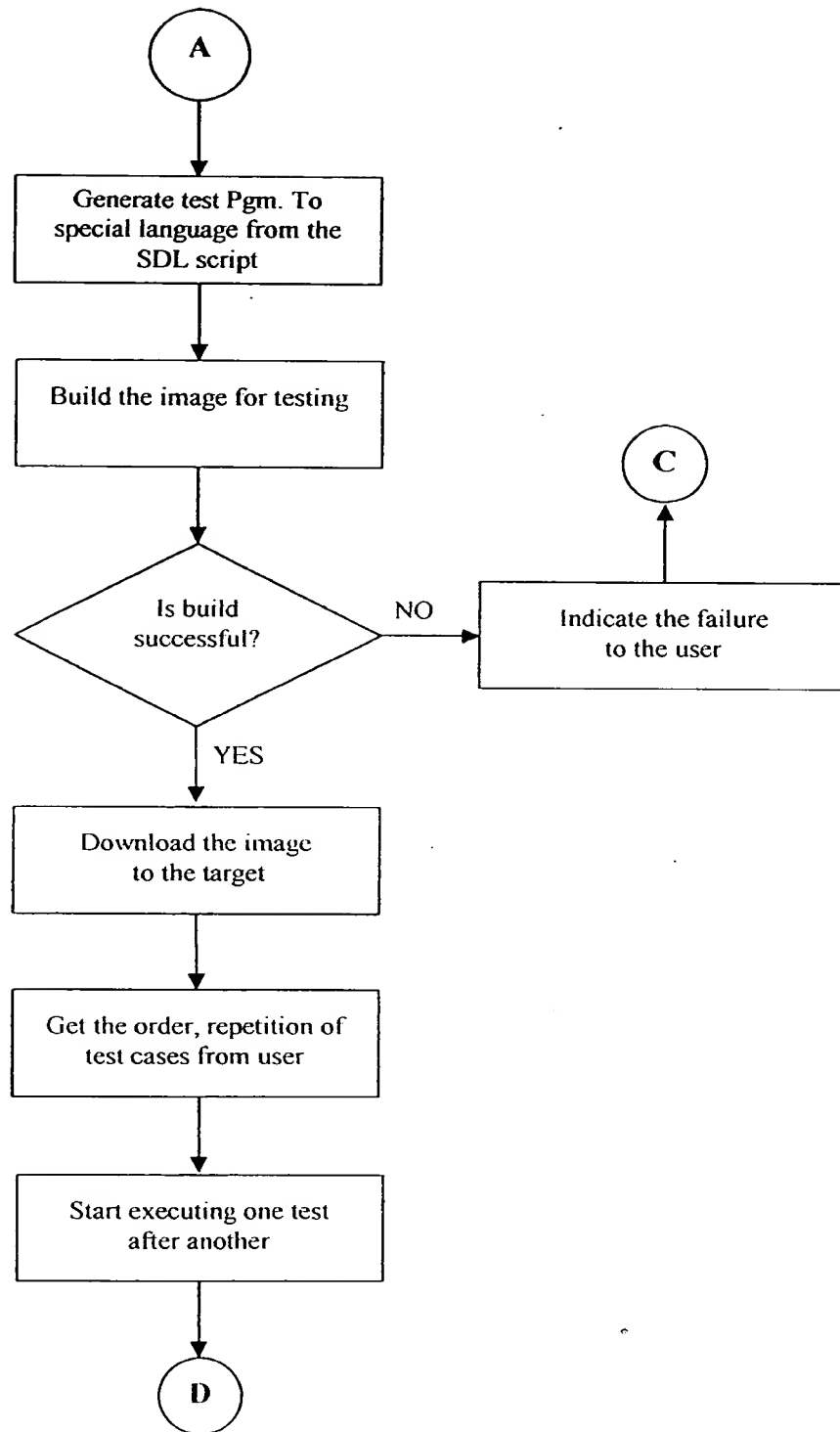
[illegible]

Figure 5b

```

graph TD
    D((D)) --> D1{Is reset required?}
    D1 -- YES --> E1((E))
    E1 --> R1[Send reset to target]
    R1 --> R2[Reload the image to the target]
    R2 --> R3[Start executive (N+1) test case]
    R3 --> D
    D1 -- NO --> D2{Is image corrupted?}
    D2 -- YES --> E2((E))
    E2 --> R1
    D2 -- NO --> D3{Is all test cases complete?}
    D3 -- YES --> U[Update the server with status of all test cases]
    U --> I[Indicate the user of test completion]
    I --> G[Get the scenario for which report is to be created]
    G --> F((F))
    D3 -- NO --> D
    B((B)) --> T[Test cases generated using the test techniques already specified]
    T --> U
  
```

Figure 5c

```

graph TD
    Start((F)) --> GetFormat[Get the format of the report]
    GetFormat --> Decision{Is Pseudocode of scenario required}
    Decision -- YES --> GenerateHTML[Generate and display Pseudocode in HTML format]
    GenerateHTML --> Decision
    Decision -- NO --> GenerateReport[Generate and display report (test)]
    GenerateReport --> End([END])
  
```

Figure 5d

TEST SCENARIO GENERATION

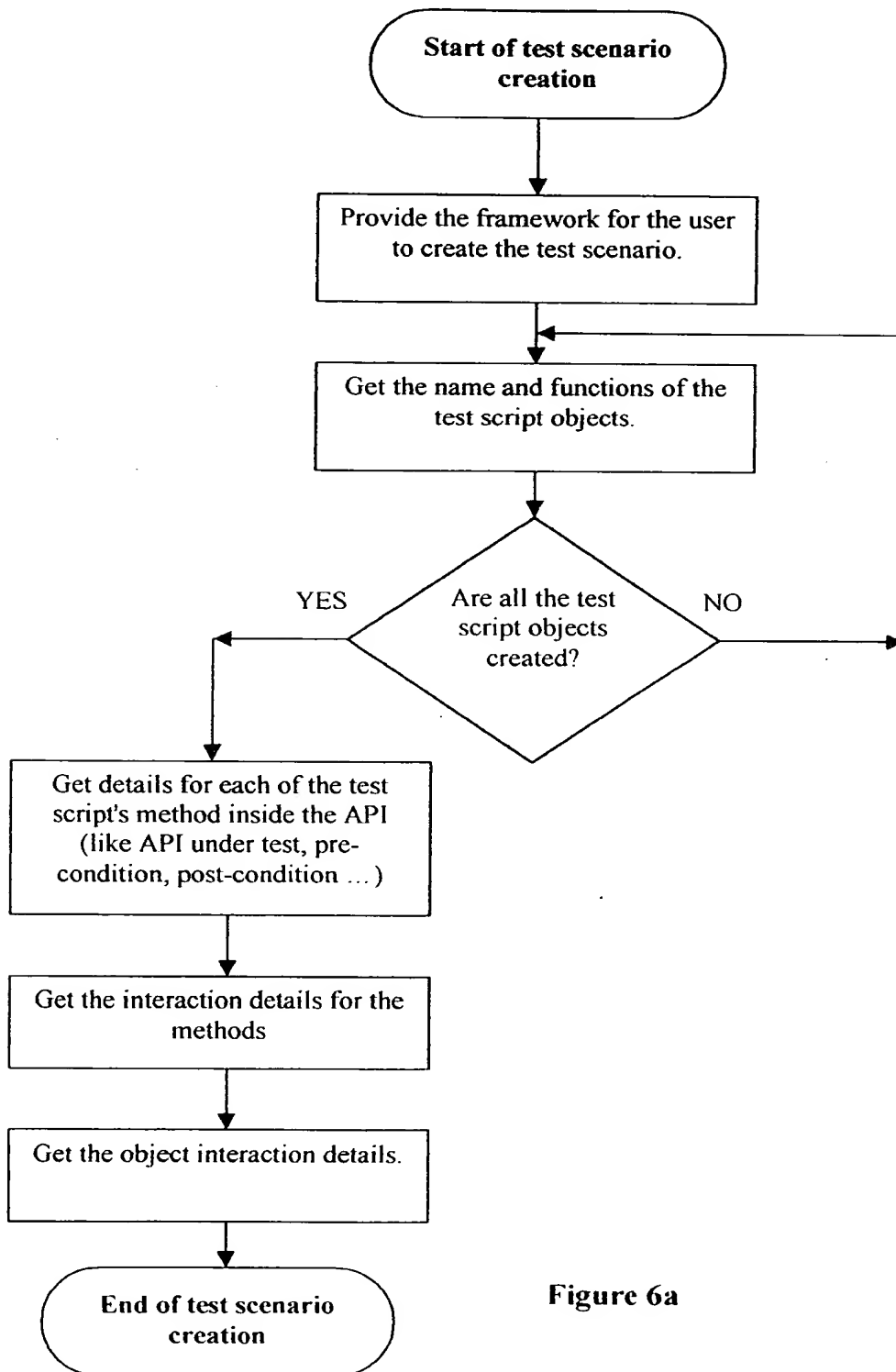


Figure 6a

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TEST CASE GENERATION

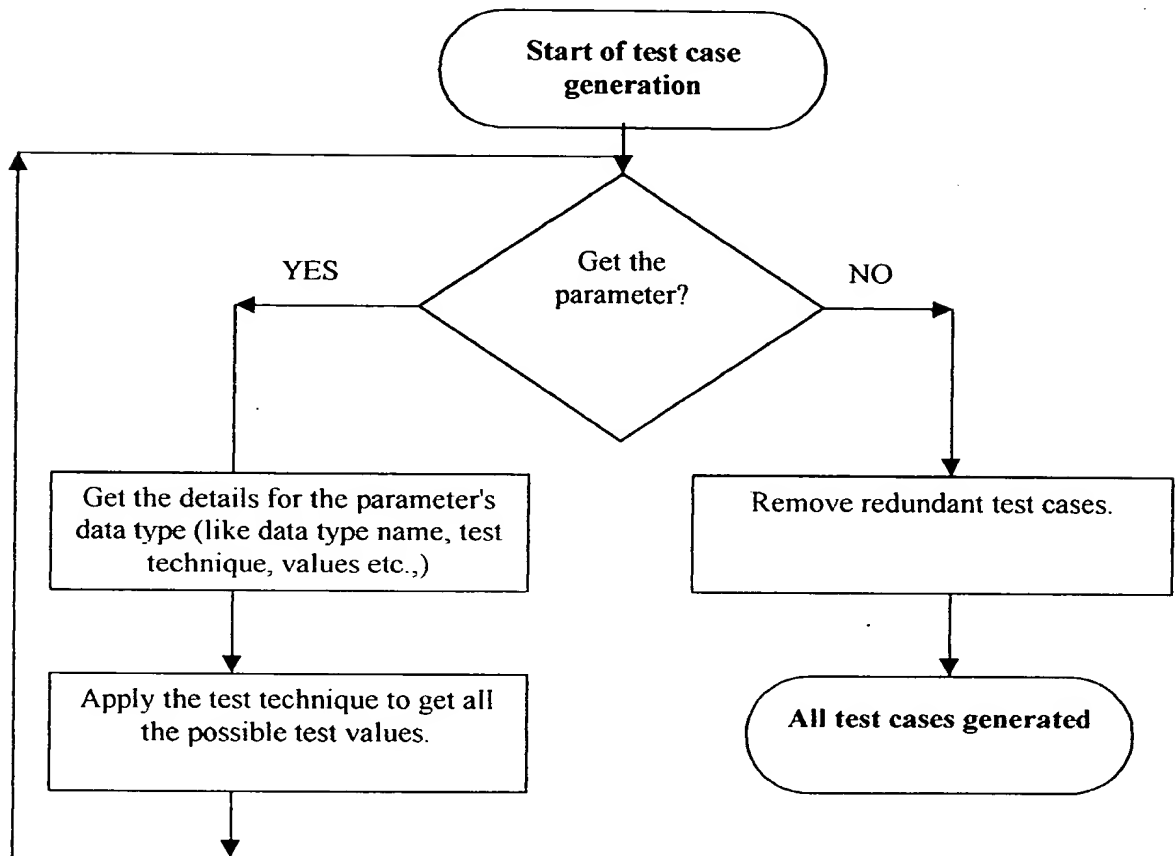


Figure 6b

The diagram illustrates the proposed architecture for the home network, showing the interaction between various components:

- HOME NETWORK:** A large box at the top containing:
 - DTV** (Digital Television)
 - Home computer**
- Internet:** A central oval representing the Internet connection.
- Image Builder means (3):** A component on the left that interacts with the Internet via a bidirectional arrow.
- Data storage means (2):** A component at the bottom left that interacts with the Internet via a bidirectional arrow.
- Test generation means (1):** A component at the bottom right that interacts with the Internet via a bidirectional arrow.
- Numbered boxes:** Four numbered boxes (1, 2, 3, 4) are placed around the central components, likely indicating specific steps or modules in the process.
- Connections:**
 - Solid bidirectional arrows connect the Internet to the Image Builder means (3), Data storage means (2), and Test generation means (1).
 - A solid bidirectional arrow connects the HOME NETWORK to the Internet.
 - Dashed curved arrows show a flow from the HOME NETWORK to the Image Builder means (3), from the Image Builder means (3) to the Data storage means (2), and from the Data storage means (2) back to the HOME NETWORK.
 - Another dashed curved arrow shows a flow from the HOME NETWORK to the Test generation means (1), and from the Test generation means (1) back to the HOME NETWORK.

Figure 7